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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/619,420	07/16/2003	Nandu Gopalakrishnan	29250-000765/US	7340	
7590 05/02/2007 HARNESS, DICKEY & PIERCE, P.L.C. P.O. Box 8910			EXAMINER		
			LEE, BETTY E		
Reston, VA 20195			ART UNIT	PAPER NUMBER	
			2616		
•					
			MAIL DATE	DELIVERY MODE	
			05/02/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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		Appli	cation No.	Applicant(s)				
Office Action Summary		10/61	9,420	GOPALAKRISH	NAÑ ET AL.			
		Exam	iner	Art Unit				
		Betty	Lee	2616	}			
Period for I	The MAILING DATE of this commu Reply	ınication appears or	the cover sheet	with the correspondence a	nddress			
WHICH - Extension after SIX - If NO pe - Failure to Any repl	RTENED STATUTORY PERIOD EVER IS LONGER, FROM THE ins of time may be available under the provision (6) MONTHS from the mailing date of this corriod for reply is specified above, the maximum or reply within the set or extended period for reply received by the Office later than three months attent term adjustment. See 37 CFR 1.704(b).	MAILING DATE OF ns of 37 CFR 1.136(a). In remunication. statutory period will apply a oly will, by statute, cause the safter the mailing date of the	THIS COMMU no event, however, may nd will expire SIX (6) No a application to become	NICATION.  y a reply be timely filed  NONTHS from the mailing date of this ABANDONED (35 U.S.C. § 133).				
Status								
1)⊠ P	esponsive to communication(s) f	iled on 16 July 200	2					
·	nis action is <b>FINAL</b> .	2b)⊠ This action	<del>_</del>	•				
3)□ Si	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition	of Claims							
4a 5)□ C 6)⊠ C 7)⊠ C	laim(s) <u>1-30</u> is/are pending in the ) Of the above claim(s) is, laim(s) is/are allowed. laim(s) <u>1 and 2</u> is/are rejected. laim(s) <u>3-30</u> is/are objected to. laim(s) are subject to resti	are withdrawn from						
Application	Papers		•					
10)⊠ Th Ap Ro	e specification is objected to by the drawing(s) filed on 16 July 200 oplicant may not request that any objected to ather or declaration is objected	23 is/are: a)⊠ acce jection to the drawing ng the correction is re	(s) be held in abe quired if the drawi	yance. See 37 CFR 1.85(a). ng(s) is objected to. See 37 (	DFR 1.121(d).			
Priority und	der 35 U.S.C. § 119				·			
12)	knowledgment is made of a clair	y documents have y documents have s of the priority doc ional Bureau (PCT	been received. been received ir uments have be Rule 17.2(a)).	n Application No en received in this Nationa	al Stage <sup>*</sup>			
			•					
2)  Notice o	f References Cited (PTO-892) f Draftsperson's Patent Drawing Review ion Disclosure Statement(s) (PTO/SB/08 o(s)/Mail Date		Paper	w Summary (PTO-413) lo(s)/Mail Date of Informal Patent Application				

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#### **DETAILED ACTION**

## Specification

1. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

# Claim Rejections - 35 USC § 102

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1 and 2 are rejected under 35 U.S.C. 102(e) as being anticipated by Moon et al. (US 2003/0097629).

Regarding claim 1, Moon teaches determining a modulation and coding scheme and corresponding resource allocation (see paragraph 7 lines 1-4) as a function of at least one of a determined past, a determinable current, and a future statistic of at least one of channel conditions (see paragraph 7 lines 7-10; The node predicts the channel conditions.) and resource allocation; and transmitting a coded modulated version of the packet in the communication system according to the MCS (see paragraph 7 lines 1-10).

Regarding claim 2, Moon teaches the modulation and coding scheme and corresponding resource allocation is determined as a function of at least two of the determined past (see paragraph 70 line 3; The modulation technique used at the initial transmission corresponds to the past statistic), the determinable current (see paragraph 71 lines 3-8), and the future statistic of at least one of channel conditions and resource allocation.

# Allowable Subject Matter

3. Claims 3-30 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Khan et al. (US 7,206,280), Östman (US 6,738,370), Terry et al. (US 2003/0153276), and Shao et al. (US 2004/0170186) are all cited to show systems which are considered pertinent to the claimed invention.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Betty Lee whose telephone number is (571) 270-1412. The examiner can normally be reached on Monday-Thursday 10-3 EST.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on (571) 272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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HASSAN KIZUU HASSAN KIZUU PATENT EXAMINER

TECHNOLOGY CENTER 2600